

AMENDMENTS TO THE SPECIFICATION

Please replace paragraphs 0004 and 0030 with the following replacement paragraphs:

[0004] Private wireless networks often serve a single building, campus or other defined location. In order to meet current government regulations for use of the radio frequency spectrum, a low signal transmit level is often used in these types of environments. This low transmit level allows the wireless signal to be effectively limited to the desired area by using walls, furniture, other obstructions in the environment, or even free space to attenuate and contain the signal. While a low transmit level works well to contain the wireless signal, it can also have the unintended consequence of allowing undesired gaps in the coverage area, for example by: (i) limiting the effective range of a wireless signal; (ii) amplifying or magnifying the impact of obstructions in the environment; (iii) reducing the amount of reflection of the wireless signal; and/or (iv) reducing the amount of wireless signal penetration through walls, windows, structures, or obstructions.

[0030] The housing 101 of the wireless network component 100 contains the internal electronics necessary for the wireless network component 100 to perform the functionality needed or desired on the wireless network. For example, the housing 101 may optionally contain the necessary equipment for power conversion, a heat shield, an RF shield, antenna structures, and any other equipment needed for operations of the wireless network component 100. The housing 101 illustrated in Figure 1 is merely one envisioned implementation and is not intended to be a limitation of the present invention. One skilled in the art could envision how the housing 101 could be easily modified or adapted to another design, made more ~~asetic~~ aesthetic, optimized for antenna placement or designed to fit into a specific lighting fixture or to mount to a differently shape or type of lamp or light bulb.